

230	261	(US-5075760-\$ or US-6211462-\$ or US-6201294-\$ or US-6181000-\$ or US-6181560-\$ or US-6118174-\$ or US-6020218-\$ or US-5999413-\$ or US-5969416-\$ or US-5808359-\$ or US-5767566-\$ or US-5643834-\$ or US-5521429-\$ or US-5519251-\$ or US-5440231-\$ or US-5963796-\$ or US-5381039-\$ or US-5378656-\$ or US-5252855-\$ or US-5202577-\$ or US-5053357-\$ or US-5780931-\$ or US-4957876-\$ or US-4946518-\$ or US-5299091-\$ or US-6303983-\$).did. or (US-6291273-\$ or US-6348399-\$ or US-6309909-\$ or US-6247229-\$ or US-6215179-\$ or US-6208021-\$ or US-6163069-\$ or US-6071755-\$ or US-6084310-\$ or US-6348726-\$ or US-6031292-\$ or US-5770888-\$ or US-5444301-\$ or US-6300674-\$ or US-6130480-\$ or US-6075710-\$ or US-5969426-\$ or US-5817545-\$ or US-5692296-\$ or US-5273938-\$ or US-6342730-\$ or US-6238952-\$ or US-6198171-\$ or US-6208023-\$ or US-6252306-\$ or US-6166430-\$ or US-6081029-\$).did. or (US-5847458-\$ or US-5830800-\$ or US-6306682-\$ or US-6087202-\$ or US-6080602-\$ or US-5373190-\$ or US-5302849-\$ or US-5157475-\$ or US-6278177-\$ or US-6448107-\$ or US-5378924-\$ or US-5442234-\$ or US-5225891-\$ or US-6545364-\$ or US-6537856-\$ or US-6320251-\$ or US-6521483-\$ or US-5554823-\$ or US-6201292-\$ or US-6198163-\$ or US-6100598-\$ or US-6084292-\$ or US-6025640-\$ or US-5691241-\$ or US-5656550-\$ or US-5475259-\$ or US-5440452-\$).did. or (US-6303997-\$ or US-6300165-\$ or US-5894107-\$ or US-6358778-\$ or US-5534467-\$ or US-5340771-\$ or US-5214307-\$ or US-6034423-\$ or US-6265783-\$ or US-6258626-\$ or US-6157080-\$ or US-6339365-\$ or US-6228676-\$ or US-6181278-\$ or US-6150193-\$ or US-5981314-\$ or US-6338813-\$ or US-6331448-\$ or US-6329705-\$ or US-6258630-\$ or US-5986209-\$ or US-6028368-\$ or US-5866939-\$ or US-5594234-\$ or US-5357674-\$ or US-5291059-\$ or US-4994895-\$).did. or (US-4987473-\$ or US-6281568-\$ or US-6143981-\$ or US-6130115-\$ or US-6124546-\$ or US-6060768-\$ or US-5977613-\$ or US-5942794-\$ or US-5172214-\$ or US-6043430-\$ or US-5436500-\$ or US-5804874-\$ or US-6337510-\$ or US-6297543-\$ or US-6242798-\$ or US-6075284-\$ or US-6262482-\$ or US-6093972-\$ or US-6400004-\$ or US-6399423-\$ or US-6396142-\$ or US-6388311-\$ or US-6340837-\$ or US-6338984-\$ or US-6208020-\$ or US-6177718-\$ or US-6101101-\$).did. or (US-5683944-\$ or US-5633206-\$ or US-5429992-\$ or US-6410979-\$ or US-6437429-\$ or US-6424024-\$ or US-6353265-\$ or US-6294830-\$ or US-6433277-\$ or US-6426554-\$ or US-6424031-\$ or US-6242281-\$ or US-6229700-\$ or US-6130473-\$ or US-5974051-\$ or US-5974051-\$ or US-5200362-\$ or US-5157480-\$ or	USPAT; US-PGPUB; JPO; DERWENT	2003/07/16 08:51
Search History	7/16/03 9:32 AM	Page 2		
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231	43	<p>((US-5075760-\$ or US-6211462-\$ or US-6201294-\$ or US-6181000-\$ or US-6181560-\$ or US-6118174-\$ or US-6020218-\$ or US-5999413-\$ or US-5969416-\$ or US-5808359-\$ or US-5767566-\$ or US-5643834-\$ or US-5521429-\$ or US-5519251-\$ or US-5440231-\$ or US-5963796-\$ or US-5381039-\$ or US-5378656-\$ or US-5252855-\$ or US-5202577-\$ or US-5053357-\$ or US-5780931-\$ or US-4957876-\$ or US-4946518-\$ or US-5299091-\$ or US-6303983-\$).did. or (US-6291273-\$ or US-6348399-\$ or US-6309909-\$ or US-6247229-\$ or US-6215179-\$ or US-6208021-\$ or US-6163069-\$ or US-6071755-\$ or US-6084310-\$ or US-6348726-\$ or US-6031292-\$ or US-5770888-\$ or US-5444301-\$ or US-6300674-\$ or US-6130480-\$ or US-6075710-\$ or US-5969426-\$ or US-5817545-\$ or US-5692296-\$ or US-5273938-\$ or US-6342730-\$ or US-6238952-\$ or US-6198171-\$ or US-6208023-\$ or US-6252306-\$ or US-6166430-\$ or US-6081029-\$).did. or (US-5847458-\$ or US-5830800-\$ or US-6306682-\$ or US-6087202-\$ or US-6080602-\$ or US-5373190-\$ or US-5302849-\$ or US-5157475-\$ or US-6278177-\$ or US-6448107-\$ or US-5378924-\$ or US-5442234-\$ or US-5225891-\$ or US-6545364-\$ or US-6537856-\$ or US-6320251-\$ or US-6521483-\$ or US-5554823-\$ or US-6201292-\$ or US-6198163-\$ or US-6100598-\$ or US-6084292-\$ or US-6025640-\$ or US-5691241-\$ or US-5656550-\$ or US-5475259-\$ or US-5440452-\$).did. or (US-6303997-\$ or US-6300165-\$ or US-5894107-\$ or US-6358778-\$ or US-5534467-\$ or US-5340771-\$ or US-5214307-\$ or US-6034423-\$ or US-6265783-\$ or US-6258626-\$ or US-6157080-\$ or US-6339365-\$ or US-6228676-\$ or US-6181278-\$ or US-6150193-\$ or US-5981314-\$ or US-6338813-\$ or US-6331448-\$ or US-6329705-\$ or US-6258630-\$ or US-5986209-\$ or US-6028368-\$ or US-5866939-\$ or US-5594234-\$ or US-5357674-\$ or US-5291059-\$ or US-4994895-\$).did. or (US-4987473-\$ or US-6281568-\$ or US-6143981-\$ or US-6130115-\$ or US-6124546-\$ or US-6060768-\$ or US-5977613-\$ or US-5942794-\$ or US-5172214-\$ or US-6043430-\$ or US-5436500-\$ or US-5804874-\$ or US-6337510-\$ or US-6297543-\$ or US-6242798-\$ or US-6075284-\$ or US-6262482-\$ or US-6093972-\$ or US-6400004-\$ or US-6399423-\$ or US-6396142-\$ or US-6388311-\$ or US-6340837-\$ or US-6338984-\$ or US-6208020-\$ or US-6177718-\$ or US-6101101-\$).did. or (US-5683944-\$ or US-5633206-\$ or US-5429992-\$ or US-6410979-\$ or US-6437429-\$ or US-6424024-\$ or US-6353265-\$ or US-6294830-\$ or US-6433277-\$ or US-6426554-\$ or US-6424631-\$ or US-6242281-\$ or US-6229200-\$ or US-6130473-\$ or US-5511650-\$ or US-5121576-\$ or US-5200362-\$ or US-5157480-\$ or </p>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/16 08:53
Search History	7/16/03 9:41:32 AM	Page 3	C:\APPS\EAST\Workspaces\USPTO\US Patents\US Patents\US Patents.wsp	

232	68	((US-5075760-\$ or US-6211462-\$ or US-6201294-\$ or US-6181000-\$ or US-6181560-\$ or US-6118174-\$ or US-6020218-\$ or US-5999413-\$ or US-5969416-\$ or US-5808359-\$ or US-5767566-\$ or US-5643834-\$ or US-5521429-\$ or US-5519251-\$ or US-5440231-\$ or US-5963796-\$ or US-5381039-\$ or US-5378656-\$ or US-5252855-\$ or US-5202577-\$ or US-5053357-\$ or US-5780931-\$ or US-4957876-\$ or US-4946518-\$ or US-5299091-\$ or US-6303983-\$).did. or (US-6291273-\$ or US-6348399-\$ or US-6309909-\$ or US-6247229-\$ or US-6215179-\$ or US-6208021-\$ or US-6163069-\$ or US-6071755-\$ or US-6084310-\$ or US-6348726-\$ or US-6031292-\$ or US-5770888-\$ or US-5444301-\$ or US-6300674-\$ or US-6130480-\$ or US-6075710-\$ or US-5969426-\$ or US-5817545-\$ or US-5692296-\$ or US-5273938-\$ or US-6342730-\$ or US-6238952-\$ or US-6198171-\$ or US-6208023-\$ or US-6252306-\$ or US-6166430-\$ or US-6081029-\$).did. or (US-5847458-\$ or US-5830800-\$ or US-6306682-\$ or US-6087202-\$ or US-6080602-\$ or US-5373190-\$ or US-5302849-\$ or US-5157475-\$ or US-6278177-\$ or US-6448107-\$ or US-5378924-\$ or US-5442234-\$ or US-5225891-\$ or US-6545364-\$ or US-6537856-\$ or US-6320251-\$ or US-6521483-\$ or US-5554823-\$ or US-6201292-\$ or US-6198163-\$ or US-6100598-\$ or US-6084292-\$ or US-6025640-\$ or US-5691241-\$ or US-5656550-\$ or US-5475259-\$ or US-5440452-\$).did. or (US-6303997-\$ or US-6300165-\$ or US-5894107-\$ or US-6358778-\$ or US-5534467-\$ or US-5340771-\$ or US-5214307-\$ or US-6034423-\$ or US-6265783-\$ or US-6258626-\$ or US-6157080-\$ or US-6339365-\$ or US-6228676-\$ or US-6181278-\$ or US-6150193-\$ or US-5981314-\$ or US-6338813-\$ or US-6331448-\$ or US-6329705-\$ or US-6258630-\$ or US-5986209-\$ or US-6028368-\$ or US-5866939-\$ or US-5594234-\$ or US-5357674-\$ or US-5291059-\$ or US-4994895-\$).did. or (US-4987473-\$ or US-6281568-\$ or US-6143981-\$ or US-6130115-\$ or US-6124546-\$ or US-6060768-\$ or US-5977613-\$ or US-5942794-\$ or US-5172214-\$ or US-6043430-\$ or US-5436500-\$ or US-5804874-\$ or US-6337510-\$ or US-6297543-\$ or US-6242798-\$ or US-6075284-\$ or US-6262482-\$ or US-6093972-\$ or US-6400004-\$ or US-6399423-\$ or US-6396142-\$ or US-6388311-\$ or US-6340837-\$ or US-6338984-\$ or US-6208020-\$ or US-6177718-\$ or US-6101101-\$).did. or (US-5683944-\$ or US-5633206-\$ or US-5429992-\$ or US-6410979-\$ or US-6437429-\$ or US-6424024-\$ or US-6353265-\$ or US-6294830-\$ or US-6433277-\$ or US-6426554-\$ or US-6424031-\$ or US-6242281-\$ or US-6229200-\$ or US-6130473-\$ or US-5977430-\$ or US-5424570-\$ or US-5200362-\$ or US-5157480-\$ or	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/16 08:53
Search History	7/16/03 9:34:32 AM	Page 4 of 10 Search History C:\APPS\EAST\Workspaces\5977430\package\Leadframe_tabs.wsp		

233	0	6420779.URPN.		USPAT	2003/07/16 08:56
234	18	("5363279" "5428248" "5519251" "5656550" "5770888" "5773313" "5866939" "5894108" "5898212" "5900676" "5929514" "5933709" "5939774" "5942794" "6041495" "6143981" "6166430" "6177718") . PN.		USPAT	2003/07/16 08:56
235	30	5428248.URPN.		USPAT	2003/07/16 09:05
236	20	6071755.URPN.		USPAT	2003/07/16 09:22
237	20	6071755.URPN.		USPAT	2003/07/16 09:26
238	10	("5285352" "5313365" "5355283" "5371404" "5394009" "5450283" "5461197" "5554887" "5578525" "5619070") . PN.		USPAT	2003/07/16 09:27

L Number	Hits	Search Text	DB	Time stamp
10	0	6373143.URPN.	USPAT	2003/07/16 08:38
11	29	("3717800" "4223337" "4241360" "4403240" "4447857" "4951098" "4959706" "4990996" "5155577" "5342992" "5442740" "5455460" "5473196" "5506499" "5517127" "5554940" "5731709" "5783868" "5844312" "5854513" "5856687" "5886414" "5914614" "5923047" "5994152" "6025730" "6025733" "6091155" "6107111").PN.	USPAT	2003/07/16 08:38
12	9	5854513.URPN.	USPAT	2003/07/16 08:40
15	8	("3942187" "4434434" "5046161" "5349239" "5554887" "5629564" "5631499" "5665639").PN.	USPAT	2003/07/16 08:41
16	16	("4437141" "4551746" "4705205" "4975765" "5018005" "5258648" "5293067" "5334857" "5355283" "5376010" "5419710" "5446960" "5467253" "5518410" "5537051" "5552635").PN.	USPAT	2003/07/16 08:43
-	0	(bond\$3 near pad) with (two near phased near region) with air	USPAT; EPO; JPO	2002/06/28 10:08
-	0	(bond\$3 near pad) with (two near phased near region)	USPAT; EPO; JPO	2001/05/02 09:30
-	53	(bond\$3 near pad) near4 (dot mesh)	USPAT; EPO; JPO	2001/09/10 07:21
-	386	bond\$3 near pad near structure	USPAT; EPO; JPO	2002/04/19 14:54
-	4	(bond\$3 near pad near structure) and (reduced nearl capacitance)	USPAT; EPO; JPO	2001/09/10 07:23
-	2	(bond\$3 near pad near structure) with air	USPAT; EPO; JPO	2001/05/02 14:24
-	140	(bond\$3 near pad) with air	USPAT; EPO; JPO	2001/05/04 08:39
-	45	((bond\$3 near pad) with air) and interconnect\$3	USPAT; EPO; JPO	2001/09/10 07:22
-	37	kishi adj atsushi.in.	USPAT; EPO; JPO	2001/05/04 08:48
-	4	hamada adj natsuko.in.	USPAT; EPO; JPO	2001/05/04 08:52
-	52	kikuta adj shigeru.in.	USPAT; EPO; JPO	2001/05/04 09:04
-	2	narahashi adj hiroshi.in.	USPAT; EPO; JPO	2001/05/04 09:05
-	24	((bond\$3 near pad) with (conductive near2 ring))	USPAT; EPO; JPO	2001/05/04 09:20
-	15	chijiwa adj masahiro.in.	USPAT; EPO; JPO	2001/05/04 09:21
-	27	shiraiwa adj hidehiko.in.	USPAT; EPO; JPO	2001/05/04 09:21
-	39	chijiwa adj masahiro.in.) (shiraiwa adj hidehiko.in.)	USPAT; EPO; JPO	2001/05/04 09:21
-	54	(bond\$3 near pad) near4 (dot mesh)	USPAT; EPO; JPO	2001/09/10 07:21
-	51	((bond\$3 near pad) with air) and interconnect\$3	USPAT; EPO; JPO	2001/09/10 07:22
-	413	bond\$3 near pad near structure	USPAT; EPO; JPO	2001/09/10 07:23
-	5	(bond\$3 near pad near structure) and ((reduced reducing)nearl capacitance)	USPAT; EPO; JPO	2001/09/10 07:23
-	439	((bonding bond) near pad) near1 structure	USPAT; EPO; JPO	2002/04/19 14:59
-	14	((bonding bond) near pad) near1 structure) and damascene	USPAT; EPO; JPO	2002/04/19 15:14
-	12	((((bonding bond) near pad) near1 structure) and damascene) and copper	USPAT; EPO; JPO	2002/04/19 15:31
-	9	((((bonding bond) near pad) near1 structure) and damascene) and (hsq polyimide aerogel parylene)	USPAT; EPO; JPO	2002/04/19 15:32

-	8446	(flipchip (flip adj chip))	USPAT; EPO; JPO USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 10:09
-	13145	(flipchip (flip adj chip))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:04
-	2877	((flipchip (flip adj chip))) and ((bond bonding) adj pad)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 10:22
-	476	((bond bonding) adj pad) near3 (thick thickness)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:08
-	75	((flipchip (flip adj chip))) and (((bond bonding) adj pad) near3 (thick thickness))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 10:23
-	0	6339337.URPN.	USPAT	2002/06/28 10:32
-	5	("4841150" "5406213" "5493236" "5532607" "5761337").PN.	USPAT	2002/06/28 10:32
-	17	5426266.URPN.	USPAT	2002/06/28 10:49
-	1	"5307559".PN.	USPAT	2002/06/28 10:52
-	39	5206585.URPN.	USPAT	2002/06/28 10:55
-	503	((bond bonding) adj pad) with dimension	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:05
-	29378	((bond bonding) adj pad) near3dimension	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:05
-	216	((bond bonding) adj pad) near3 dimension	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:05
-	6	((bond bonding) adj pad) near3 (thick thickness)) with dimension	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:05
-	1545	((bond bonding) adj pad) with (thick thickness)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:09
-	114	((bond bonding) adj pad) with dimension) and ((bond bonding) adj pad) with (thick thickness))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:13
-	95	(((bond bonding) adj pad) with dimension) and ((bond bonding) adj pad) with (thick thickness))) not (((flipchip (flip adj chip))) and (((bond bonding) adj pad) near3 (thick thickness)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 13:13
-	0	6287950.URPN.	USPAT	2002/06/28 13:29
-	5	("4628590" "5731243" "5807787" "6060378" "6200889").PN.	USPAT	2002/06/28 13:29
-	3	6198170.URPN.	USPAT	2002/06/28 13:33
-	0	6112002.URPN.	USPAT	2002/06/28 13:38
-	2	("5857049" "5909524").PN.	USPAT	2002/06/28 13:38
-	10	5287002.URPN.	USPAT	2002/06/28 13:46
-	5	5391920.URPN.	USPAT	2002/06/28 13:49
-	11	5042148.URPN.	USPAT	2002/06/28 13:51
-	21	("3809625" "4027935" "4161692" "4585991" "4906920" "5042148" "5172050" "5177439" "5180977" "5225037" "5264787" "5483741" "5565767" "5678301" "5686317" "5712571" "5915977" "5917329" "5926029" "5931685" "5962921").PN.	USPAT	2002/06/28 13:53
-	10	5565767.URPN.	USPAT	2002/06/28 13:59
-	10	5565767.URPN.	USPAT	2002/06/28 13:59

	5	("3867693" "4508981" "4720671" "4779041" "5280237").PN.	USPAT	2002/06/28 13:59
	40	5678301.URPN.	USPAT	2002/06/28 14:00
	6	("3813773" "4059480" "4066491" "4647476" "4851767" "4961052").PN.	USPAT	2002/06/28 14:04
	6	"5892276"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 14:40
	10	"5391920"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 14:41
	16	"5892276" "5391920"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 14:41
	2	5892276.URPN.	USPAT	2002/06/28 14:48
	2	5892276.URPN.	USPAT	2002/06/28 14:50
	2	("5075753" "5581109").PN.	USPAT	2002/06/28 14:50
	2	("5162893" "5436485").PN.	USPAT	2002/06/28 14:51
	162	((bond bonding) adj pad) near3 dimension not (((bond bonding) adj pad) with dimension) and ((bond bonding) adj pad) with (thick thickness))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:08
	162	((bond bonding) adj pad) near3 dimension not (((bond bonding) adj pad) with dimension) and ((bond bonding) adj pad) with (thick thickness))) not (((flipchip (flip adj chip))) and ((bond bonding) adj pad) near3 (thick thickness)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 14:55
	3	6081429.URPN.	USPAT	2002/06/28 15:04
	20	("4322778" "4750092" "4772936" "5045921" "5258648" "5313366" "5515241" "5541450" "5559445" "5615089" "5640048" "5672980" "5691041" "5708567" "5741729" "5754396" "5767575" "5770891" "5800184" "5969534").PN.	USPAT	2002/06/28 15:05
	47	((((bond bonding) adj pad) near3 dimension) not (((bond bonding) adj pad) with dimension) and ((bond bonding) adj pad) with (thick thickness))) not (((flipchip (flip adj chip))) and ((bond bonding) adj pad) near3 (thick thickness))) and micron	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 15:31
	390	array near3 (light adj emitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:37
	1	(array near3 (light adj emitter)) with substrate with (laser photodetector)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:39
	60	(array near3 (light adj emitter)) with (laser photodetector)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:07
	7	((array near3 (light adj emitter)) with (laser photodetector)) and pad	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:08
	12	(array near3 (light adj emitter)) and ((bond bonding) adj pad)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:30
	1	6184971.URPN.	USPAT	2002/06/28 16:10
	8	("5255013" "5258629" "5745152" "5809216" "5917535" "5940113" "6002420" "6014202").PN.	USPAT	2002/06/28 16:11
	6	5258629.URPN.	USPAT	2002/06/28 16:26

-	7	("4605944" "4707716" "4721977" "4951098" "5134340" "5138337" "5138338").PN.	USPAT	2002/06/28 16:26
-	7	("4605944" "4707716" "4721977" "4951098" "5134340" "5138337" "5138338").PN.	USPAT	2002/06/28 16:29
-	1686	(test testing) with ((bond bonding) adj pad)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:39
-	696	array with (light near emitter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:38
-	1	((test testing) with ((bond bonding) adj pad)) and (array with (light near emitter))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:38
-	869	((test testing) with ((bond bonding) adj pad)) and probe	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:39
-	285	((test testing) with ((bond bonding) adj pad)) and probe) and (laser photodetector led (light adj emitter))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:40
-	38	(US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did. (((test testing) with ((bond bonding) adj pad)) and probe) and (laser photodetector led (light adj emitter))) not ((US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:41

	197	(((((test testing) with ((bond bonding) adj pad)) and probe) and (laser photodetector led (light adj emitter))) not ((US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did.)) and (thickness dimension)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:43
	97	(((((test testing) with ((bond bonding) adj pad)) and probe) and (laser photodetector led (light adj emitter))) not ((US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did.)) and thickness and dimension	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:41
	86	(((((test testing) with ((bond bonding) adj pad)) and probe) and (laser photodetector led (light adj emitter))) not ((US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did.)) and (pad with (thickness dimension))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 16:43

-	17	5506499.URPN.		
-	23	("3822465" "4581706" "4845543" "4926238" "4951098" "5053700" "5057900" "5132772" "5150193" "5239447" "5263246" "5286927" "5296745" "5327834" "5334809" "5336649" "5342807" "5358904" "5391516" "5432807" "5506499" "5523697" "5554940"). PN.	USPAT	2002/06/28 16:55
-	23	("3822465" "4581706" "4845543" "4926238" "4951098" "5053700" "5057900" "5132772" "5150193" "5239447" "5263246" "5286927" "5296745" "5327834" "5334809" "5336649" "5342807" "5358904" "5391516" "5432807" "5506499" "5523697" "5554940"). PN.	USPAT	2002/06/28 16:59
-	23	("3822465" "4581706" "4845543" "4926238" "4951098" "5053700" "5057900" "5132772" "5150193" "5239447" "5263246" "5286927" "5296745" "5327834" "5334809" "5336649" "5342807" "5358904" "5391516" "5432807" "5506499" "5523697" "5554940"). PN.	USPAT	2002/06/28 17:03
-	5	("5506499" "5799021" "5891745" "5896039" "5991232"). PN.	USPAT	2002/06/28 17:03
-	0	6373143.URPN.	USPAT	2002/06/28 17:04
-	29	("3717800" "4223337" "4241360" "4403240" "4447857" "4951098" "4959706" "4990996" "5155577" "5342992" "5442740" "5455460" "5473196" "5506499" "5517127" "5554940" "5731709" "5783868" "5844312" "5854513" "5856687" "5886414" "5914614" "5923047" "5994152" "6025730" "6025733" "6091155" "6107111"). PN.	USPAT	2002/06/28 17:04
-	20	"5506499"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 19:23
-	2	"6351405"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 19:23
-	9	"5891745"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 19:23
-	1	"6373143"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 19:23
-	28	"5506499" "6351405" "5891745" "6373143"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 19:23
-	29	("3717800" "4223337" "4241360" "4403240" "4447857" "4951098" "4959706" "4990996" "5155577" "5342992" "5442740" "5455460" "5473196" "5506499" "5517127" "5554940" "5731709" "5783868" "5844312" "5854513" "5856687" "5886414" "5914614" "5923047" "5994152" "6025730" "6025733" "6091155" "6107111"). PN.	USPAT	2002/06/30 19:24
-	11	5554940.URPN.	USPAT	2002/06/30 19:27
-	2	6166556.URPN.	USPAT	2002/06/30 19:28
-	2	6166556.URPN.	USPAT	2002/06/30 19:29
-	6	("5007163" "5065227" "5374893" "5447264" "5554940" "5574386"). PN.	USPAT	2002/06/30 19:29
-	6	("3795973" "5008727" "5089772" "5187020" "5241266" "5307010"). PN.	USPAT	2002/06/30 19:31
-	7	("4188636" "4223337" "5061988" "5123850" "5279975" "5281684" "5307010"). PN.	USPAT	2002/06/30 19:32

-	13	("4916809" "5051691" "5060116" "5153507" "5162893" "5206583" "5217917" "5239191" "5275897" "5281855" "5287000" "5319224" "5326709"). PN.	USPAT	2002/06/30 19:33
-	9	("3423822" "4467400" "4605944" "4633280" "4747076" "4779108" "4851862" "4896168" "4899174"). PN.	USPAT	2002/06/30 19:34
-	3	("4402067" "4413272" "4480318"). PN.	USPAT	2002/06/30 19:36
-	4	4747076.URPN.	USPAT	2002/06/30 19:37
-	2	5969404.URPN.	USPAT	2002/06/30 19:40
-	2	5969404.URPN.	USPAT	2002/06/30 19:40
-	15	("4042950" "4267633" "4356622" "4494135" "4518981" "4569121" "4635091" "4723155" "4747076" "4748491" "4796075" "5066998" "5309394" "5672905" "5708291"). PN.	USPAT	2002/06/30 19:40
-	12	4633280.URPN.	USPAT	2002/06/30 19:45
-	12	4924276.URPN.	USPAT	2002/06/30 19:47
-	0	5063420.URPN.	USPAT	2002/06/30 19:49
-	0	5063420.URPN.	USPAT	2002/06/30 19:49
-	3	("3636617" "4677453" "4924276"). PN.	USPAT	2002/06/30 19:49
-	4	("4951098" "5726500" "5891745" "6008061"). PN.	USPAT	2002/06/30 19:56
-	10878	crystalline adj silicon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:02
-	68	(crystalline adj silicon) near2 (die chip)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:09
-	67	(US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$). did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$ or US-4951098-\$ or US-5506499-\$ or US-6373143-\$ or US-6351405-\$ or US-5891745-\$ or US-5554940-\$ or US-6091155-\$ or US-5886414-\$ or US-5854513-\$ or US-5783868-\$ or US-5517127-\$ or US-6369407-\$ or US-6166556-\$ or US-5899703-\$ or US-6342399-\$ or US-5319224-\$ or US-4899174-\$ or US-4747076-\$). did. or (US-4633280-\$ or US-4413272-\$ or US-6337507-\$ or US-6258700-\$ or US-5969404-\$ or US-5708291-\$ or US-4748491-\$ or US-4494135-\$ or US-4924276-\$ or US-5063420-\$ or US-6008061-\$). did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$). did.	USPAT; US-PGPUB	2002/06/30 21:03

-	1	(crystalline adj silicon) and ((US-5722826-\$ or US-5601466-\$ or US-5586007-\$ or US-5500785-\$ or US-5917231-\$ or US-6198170-\$ or US-6372624-\$ or US-6339337-\$ or US-6333555-\$ or US-6329722-\$ or US-6320397-\$ or US-6150717-\$ or US-6130148-\$ or US-5519332-\$ or US-5426266-\$ or US-5206585-\$ or US-6404063-\$ or US-5962921-\$ or US-6358831-\$ or US-6287950-\$ or US-6281041-\$ or US-6112002-\$ or US-5287002-\$ or US-5042148-\$ or US-4983908-\$ or US-5491352-\$).did. or (US-6181144-\$ or US-5926029-\$ or US-5678301-\$ or US-6022797-\$ or US-5986294-\$ or US-5892276-\$ or US-6343514-\$ or US-5563901-\$ or US-6184971-\$ or US-4951098-\$ or US-5506499-\$ or US-6373143-\$ or US-6351405-\$ or US-5891745-\$ or US-5554940-\$ or US-6091155-\$ or US-5886414-\$ or US-5854513-\$ or US-5783868-\$ or US-5517127-\$ or US-6369407-\$ or US-6166556-\$ or US-5899703-\$ or US-6342399-\$ or US-5319224-\$ or US-4899174-\$ or US-4747076-\$).did. or (US-4633280-\$ or US-4413272-\$ or US-6337507-\$ or US-6258700-\$ or US-5969404-\$ or US-5708291-\$ or US-4748491-\$ or US-4494135-\$ or US-4924276-\$ or US-5063420-\$ or US-6008061-\$).did. or (US-20010020749-\$ or US-20010019180-\$ or US-20020003822-\$).did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:04
-	25	((crystalline adj silicon) near2 (die chip)) and (test testing)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:04
-	25	(crystalline adj silicon) and (led adj array)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:15
-	5	"5063420"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:14
-	93812	light adj emitting adj diode	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:16
-	2702	light adj emitting adj diode adj array	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:16
-	10	(crystalline adj silicon) and (light adj emitting adj diode adj array)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:17
-	0	4268843.pn. and driver	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/30 21:26